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 Gregg Rothermel , Margaret Burnett , Lixin Li , Christopher Dupuis , Andrei Sheretov
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Volume 10 Issue 1
Spreadsheet languages, which include commercial spreadsheets and various research systems, have had a substantial impact on end-user computing. Research shows, however, that spreadsheets often contain faults; thus, we would like to provide at least some of the benefits of formal testing methodologies to the creators of spreadsheets. This article presents a testing methodology that adapts data flow adequacy criteria and coverage monitoring to the task of testing spreadsheets. To accommodate ...
- 2 [Technical papers: software testing: Automated test case generation for spreadsheets](#) 100%
 Marc Fisher , Mingming Cao , Gregg Rothermel , Curtis R. Cook , Margaret M. Burnett
Proceedings of the 24th international conference on Software engineering May 2002
Spreadsheet languages, which include commercial spreadsheets and various research systems, have had a substantial impact on end-user computing. Research shows, however, that spreadsheets often contain faults. Thus, in previous work, we presented a methodology that assists spreadsheet users in testing their spreadsheet formulas. Our empirical studies have shown that this methodology can help end-users test spreadsheets more adequately and efficiently; however, the process of generating test cases ...
- 3 [A generalised spreadsheet verification methodology](#) 99%
 Nick Randolph , John Morris , Gareth Lee
Australian Computer Science Communications , Proceedings of the twenty-fifth Australasian conference on Computer science - Volume 4 January 2002
Volume 24 Issue 1
Although spreadsheets have been around for over thirty years, we are only just realising their importance. Most companies use spreadsheets in their decision-making processes, but rarely

employ any form of testing. This paper shows how an "all-uses" test adequacy technique can be integrated into Microsoft's Excel. The modular technique adopted makes the implementation spreadsheet package independent. It also includes a user interface, to assist developers specify test cases and a technique for re ...

4 What you see is what you test: a methodology for testing form-based visual programs 97%

Gregg Rothermel , Lixin Li , Christopher DuPuis , Margaret Burnett

Proceedings of the 20th international conference on Software engineering April 1998

5 Technical papers: empirical studies I: End-user software engineering with assertions in the spreadsheet paradigm 82%

Margaret Burnett , Curtis Cook , Omkar Pendse , Gregg Rothermel , Jay Summet , Chris Wallace

There has been little research on end-user program development beyond the activity of programming. Devising ways to address additional activities related to end-user program development may be critical, however, because research shows that a large proportion of the programs written by end users contain faults. Toward this end, we have been working on ways to provide formal "software engineering" methodologies to end-user programmers. This paper describes an approach we have developed for support ...

6 WYSIWYT testing in the spreadsheet paradigm: an empirical evaluation 77%

Karen J. Rothermel , Curtis R. Cook , Margaret M. Burnett , Justin Schonfeld , T. R. G. Green , Gregg Rothermel

Proceedings of the 22nd international conference on Software engineering June 2000

Is it possible to achieve some of the benefits of formal testing within the informal programming conventions of the spreadsheet paradigm? We have been working on an approach that attempts to do so via the development of a testing methodology for this paradigm. Our "What You See Is What You Test" (WYSIWYT) methodology supplements the convention by which spreadsheets provide automatic immediate visual feedback about values by providing automatic immediate visual feedback about ...

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Teaching of Digital Signal Processing, IEE Colloquium on , 16 Feb 1995

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Testing Strategies for Form-Based Visual Programs - Rothermel, Li, Burnett (1997) (Correct)

programming languages, which include electronic **spreadsheets** and a variety of research systems, have had a 1997, pages 96 -107 Testing Strategies for **Form-Based Visual Programs** Gregg Rothermel Department www.cs.orst.edu/~grother/papers/issre97.ps.gz

What You See Is What You Test: A Methodology for.. - Rothermel, DuPuis.. (1998) (Correct) (2 citations)

programming languages, which include commercial **spreadsheets** and various research systems, have had a You See Is What You Test: A Methodology for Testing **Form-Based Visual Programs** Gregg Rothermel, Lixin Li, www.cs.orst.edu/~grother/papers/icse98-1.ps.gz

Visual Programming, Knowledge Engineering, and Software Engineering - Menzies (1996) (Correct)

(e.g. XEROX Star) icon table (e.g. **FORMS, spreadsheets**) expressions simple **forms** visual extent in increasing order of visual extent: text, simple **forms**, tables, icons, and diagrams (see Figure 2) a traditional textbased approach to a 2-D screen. **Based** on a survey of current visual programming www.sd.monash.edu.au/research/publications/1996/TR96-5.ps

Object-Oriented Functional Spreadsheets - Clack, Braine (1997) (Correct)

Object-Oriented Functional **Spreadsheets** Chris Clack and Lee Braine Department of user-defined functions (by allowing cells to be **-forms**) 3 Is a New **Spreadsheet** Paradigm Necessary? Our declarative **spreadsheet** which provides a constraint-based environment)the Generalised **Spreadsheet** Model www.dcs.gla.ac.uk/fp/workshops/fpw97/ClackBrainedraft.ps

Principles for Information Visualization Spreadsheets - Chi, Riedl, al. (1998) (Correct) (7 citations)

or columns, and exploring "what-if" scenarios. **Spreadsheet** techniques have recently been extended from www-users.cs.umn.edu/~echi/papers/cga98/cga-spreadsheet-principle.pdf

Modeling Spreadsheet Audit: A Rigorous Approach to Automatic.. - Sajaniemi (1998) (Correct)

Of Computer Science Report Series A Modeling **Spreadsheet** Audit: A Rigorous Approach To Automatic cs.joensuu.fi/pub/Reports/A-1998-5.ps.gz

Graphical Definitions: Making Spreadsheets Visual through.. - Gottfried, al. (1997) (Correct) (1 citation)

08855-1331 USA. Graphical Definitions: Making **Spreadsheets** Visual through Direct Manipulation and emphasize that they are a declarative way to define **formulas** for cells in a graphical manner. The ftp.cs.orst.edu/pub/burnett/vl97/gestures.ps.gz

A Spreadsheet-Based Scripting Environment for SNMP - Kalyanasundaram, Sethi.. (1997) (Correct) (5 citations)

A **Spreadsheet-Based** Scripting Environment for SNMP Pramod

MIB, a scripting language, and event model that **form** an integral part of the paradigm are presented an intermediate manager. This paradigm augments the **basic** SNMP framework by providing value added www.cis.udel.edu/~sethi/papers/97/im97.ps

A Proposal for a Powerful, Efficient, Algebraic Reduction.. - Wack (1991) (Correct)

Efficient, Algebraic Reduction, Parallel **Spreadsheet** Andrew P. Wack February 1991 1 Introduction cs.millersv.edu/~wack/Papers/spread-sheet.ps

Slicing Spreadsheets: An Integrated Methodology for.. - Reichwein, Rothermel, .. (1999) (Correct)

October 3-5, 1999, pages 25-38. Slicing **Spreadsheets**: An Integrated Methodology for **Spreadsheet** ftp.cs.orst.edu/pub/burnett/dsl99-afl-reprint-color.pdf

Collaboration with Spreadsheets - Skip Ellis (Correct)

Collaboration with **Spreadsheets** Skip Ellis & Carlos Maltzahn Department of
www.cs.colorado.edu/~carlosm/SpreadsheetReport.ps.gz

Fluid Visualization of Spreadsheet Structures - Igarashi (1998) (Correct) (1 citation)
1998, p. 118-125. Fluid Visualization of **Spreadsheet** Structures Takeo Igarashi Dept. of Info.
augment a visible tabular layout with invisible **formulas**. Direct manipulations of the tabular layout
www.parc.xerox.com/istl/members/pollez/papers/fluid-spread-vl98.ps

Similarity Inheritance: A New Model of Inheritance for.. - Walpole, Burnett (1997) (Correct)
Inheritance: A New Model of Inheritance for **Spreadsheet** Languages Rebecca A. Walpole and Margaret M.
support only ad-hoc reuse through copy/paste and **formula** replication. Thus **spreadsheet** users must
ftp.cs.orst.edu/pub/burnett/TR.Inheritance.ps.gz

Similarity Inheritance: A New Model of Inheritance for.. - Djang, al. (1998) (Correct)
Inheritance: A New Model of Inheritance for **Spreadsheet** VPLs Rebecca Walpole Djang and Margaret M.
implementation in the research **spreadsheet** VPL Forms/3. We show that bringing inheritance
ftp.cs.orst.edu/pub/burnett/vl98.similarity.ps.gz

Shared Spreadsheet User's Guide - Revision Of (Correct)
Computer Science University of St Andrews Shared **Spreadsheet** User's Guide Revision of W6-95) Abstract
means that the cell has an uncommitted value or **formula**. Green indicates that you are the only one who
warp.dcs.st-and.ac.uk/warp/reports/2.3/W17-95-ssguide.ps.gz

Design and Implementation of a Shared Spreadsheet - He Et (Correct)
St Andrews Design and Implementation of a Shared **Spreadsheet** Abstract This report describes the design of
the list of widths of columns. All these objects **form** the shared context of the **spreadsheet**. 2.6
implementaion is more complicated than the latter. **Based** on this consideration the notion of an Editing
warp.dcs.st-and.ac.uk/warp/reports/W5-95.ps

Interpreting Spread Sheet Data for Human-Agent Interactions - Ali, Haller (Correct)
information source is SC (a standard Unix-based **spreadsheet** program) **spreadsheets**. We are attempting to
directed arcs. These graphs are constrained in the **form** they may take in the following ways: 1) each node
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